

Fig. 1

Select T1.A, T2.B From T1, T2, T3
 Where T1.C=99 AND T2.D='george' AND T3.E=66
 AND T1.F=T2.F AND T2.G = T3.G;

$\Pi_{T1.A, T2.B}$

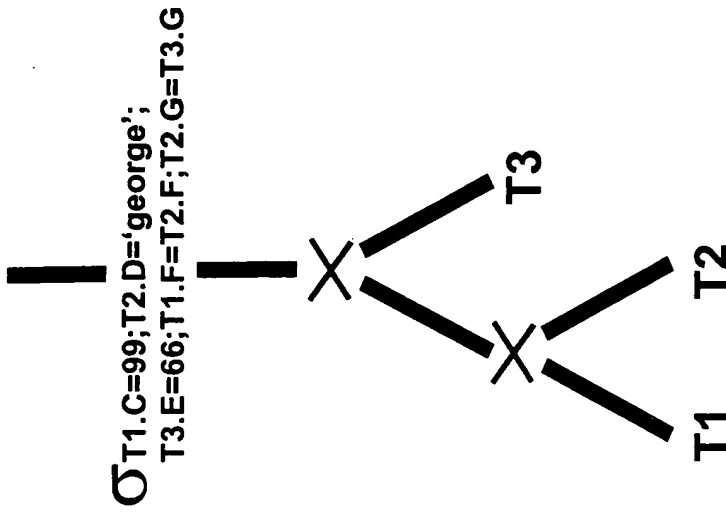


FIG. 2

Select T1.A, T2.B From T1, T2, T3
 Where T1.C=99 AND T2.D='george' AND T3.E=66
 AND T1.F=T2.F AND T2.G = T3.G;

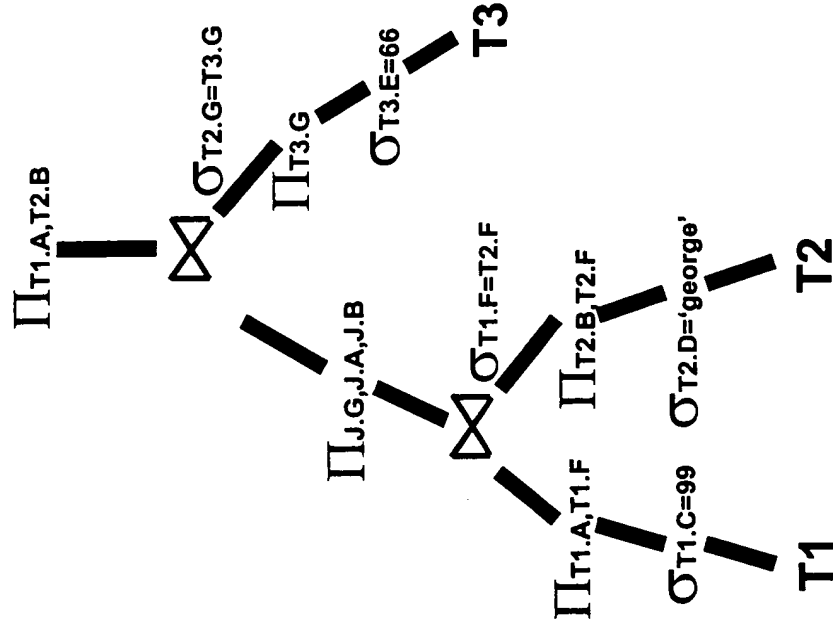


FIG. 3

FIG. 5

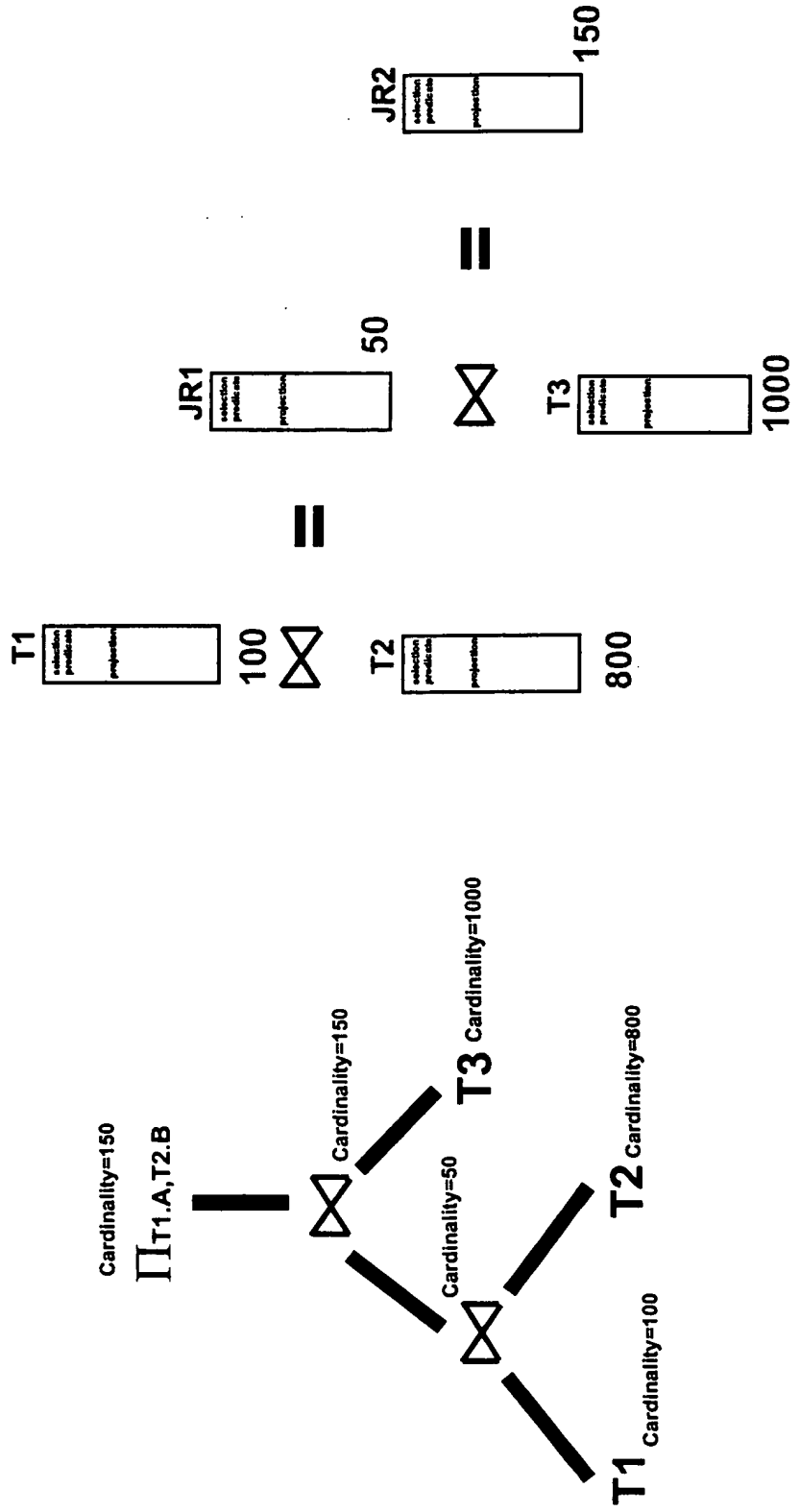


FIG. 6
FOOT-OUT

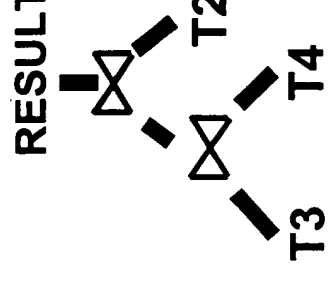
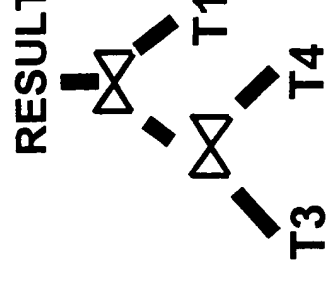
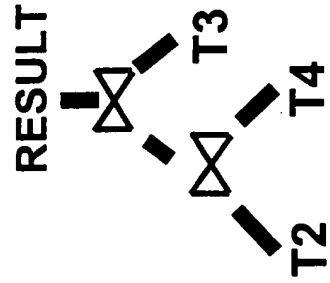
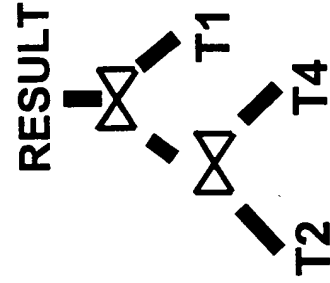
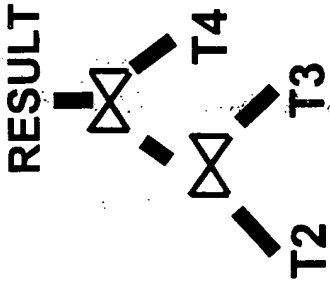
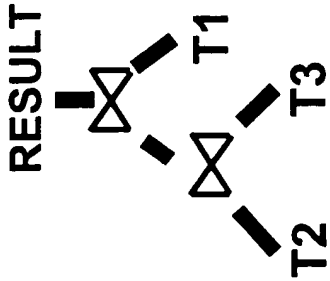
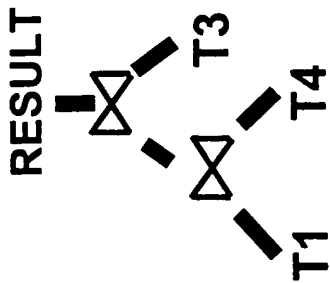
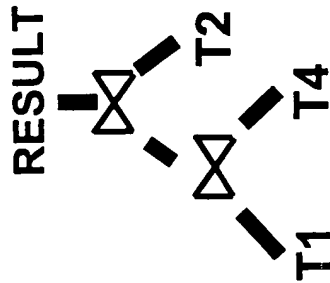
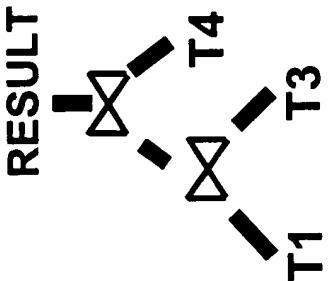
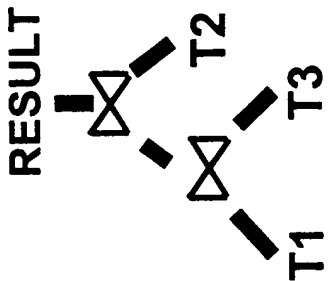
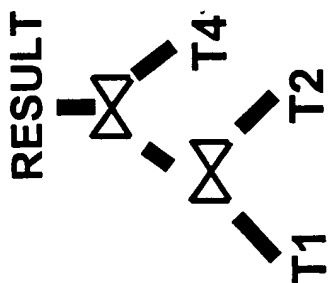
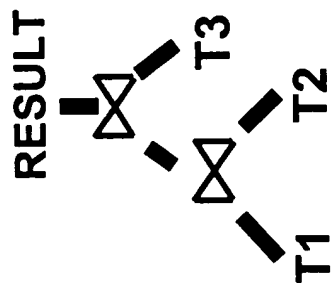


FIG. 7

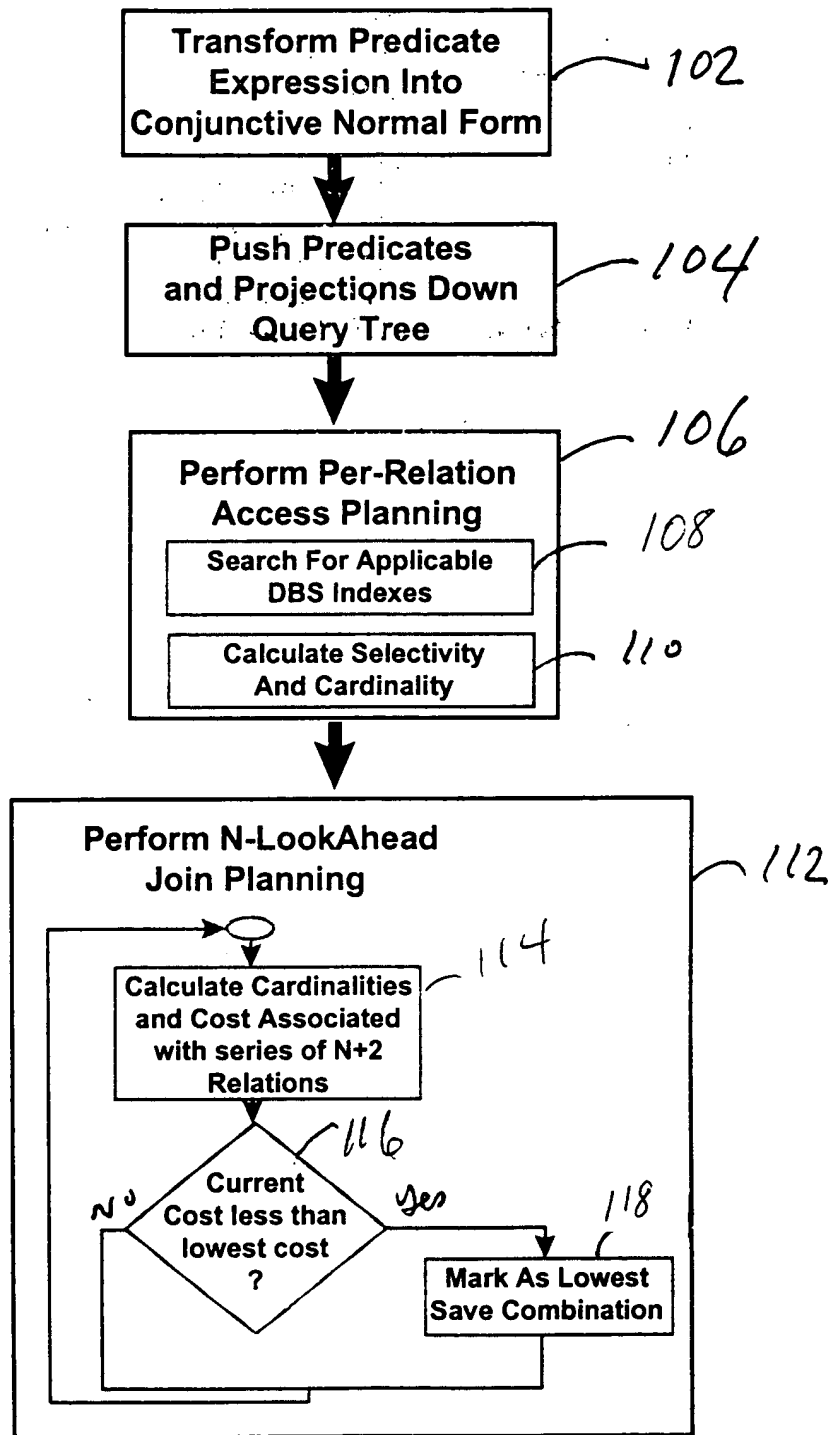


FIG. 7

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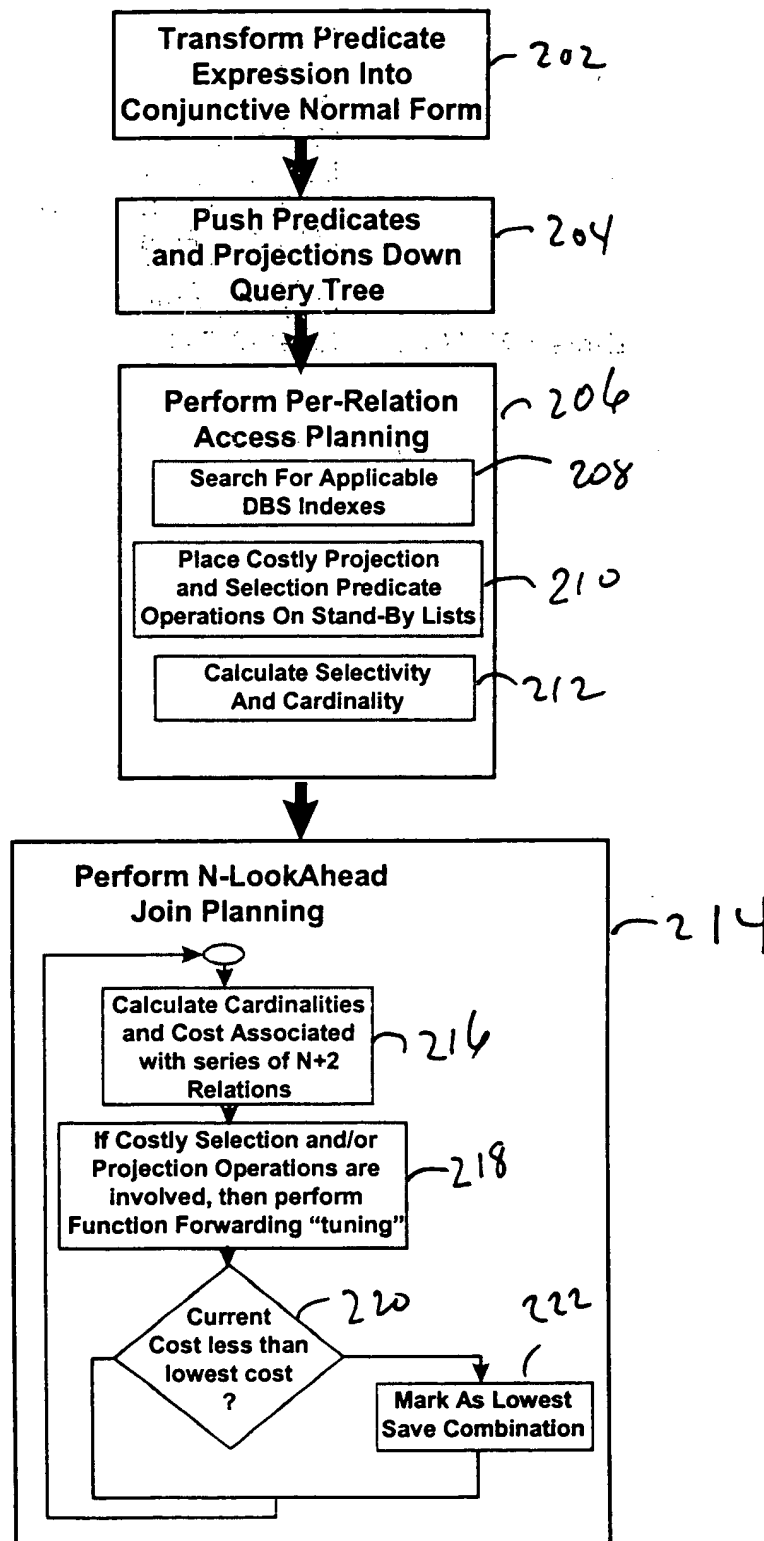


Fig. 8

Select T1.A, T2.B, T3.Video.Colorize() From T1, T2, T3, T4
 Where T1.face = IMAGE(\url\myface.jpg) AND T2.D='george'
 AND T4.Audio = AUDIO(\url\georgeharrison.wav)
 AND T1.F=T2.F AND T2.G = T3.G AND T1.H = T4.H
 AND T2.K=T4.K;

\prod T1.A, T2.B, T3.Video.Colorize()

σ T1.face=IMAGE(\url\myface.jpg); T2.D='george';
 T4.Audio=AUDIO(\url\georgeharrison.wav);
 T1.F=T2.F; T2.G=T3.G; T1.H=T4.H; T2.K=T4.K

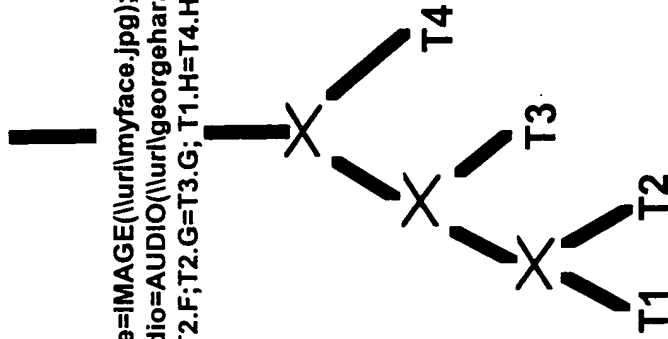
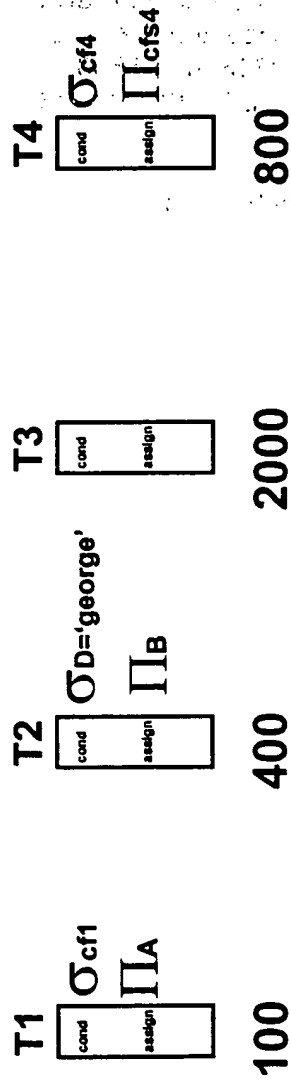


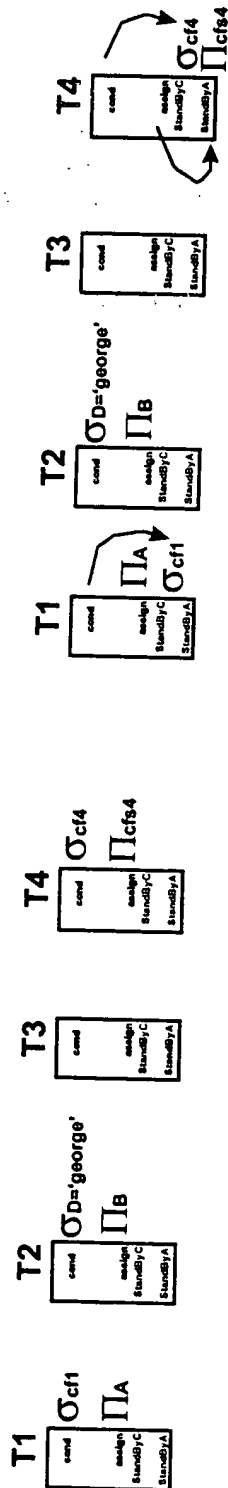
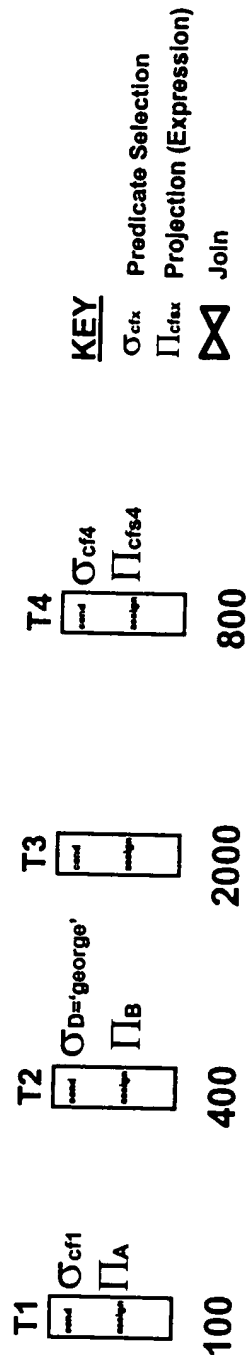
FIG. 9

Select T1.A, T2.B, T4.Video.Colorize() From T1, T2, T3, T4
 Where T1.face = IMAGE(\\url\\myface.jpg) AND T2.D='george'
 AND T4.Audio = AUDIO(\\url\\georgeharrison.wav)
 AND T1.F=T2.F AND T2.G = T3.G AND T1.H = T4.H
 AND T2.K=T4.K;



T1.face = IMAGE(\\url\\myface.jpg)	σ_{cf1}
T4.Video.Colorize()	π_{cfs4}
T4.Audio = AUDIO(\\url\\georgeharrison.wav)	σ_{cf4}

FIG. 10



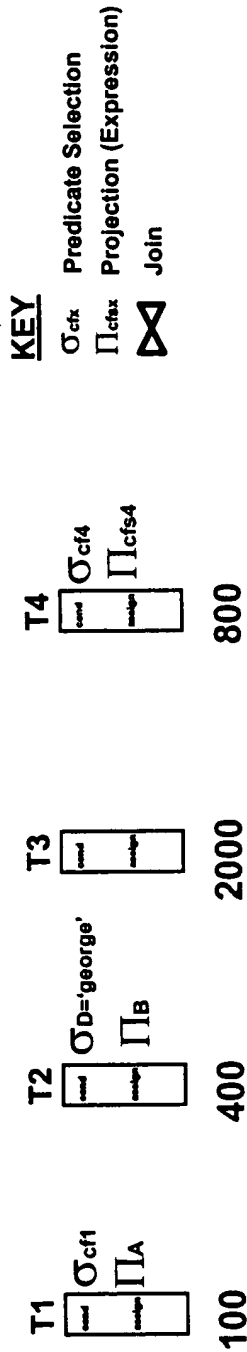
STEP 0 : Start

(Early On Within Access Planning Module)

STEP 1 : Move All Costly Functions To
Their Respective StandBy Lists

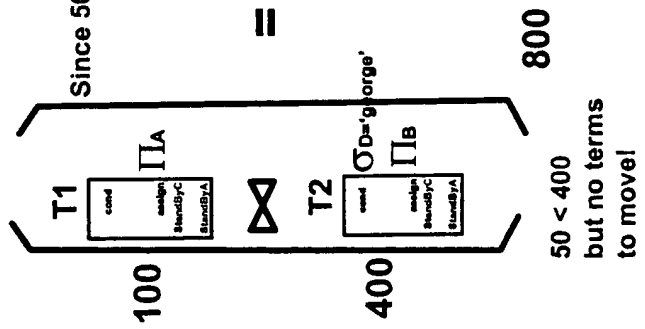
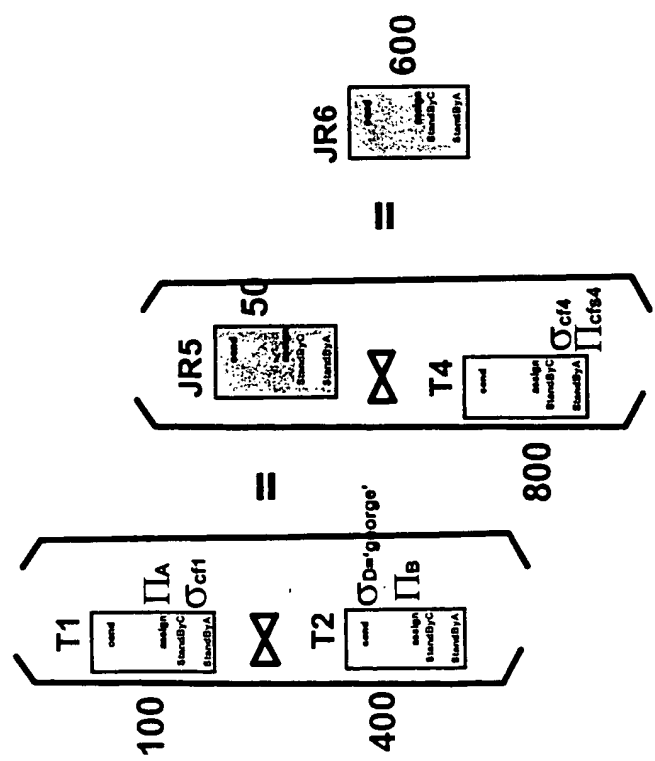
Exception Case : If Index Defined On Costly Predicate
Then Execute Costly Predicate In Place

Fig. 11



((1,2), 4)

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STEP 2 : Calculate Access, Join Costs And All Cardinalities As Currently Done. (Ignoring Terms On StandBy)

STEP 3 : Examine Cardinalities For The "Triplet" and Move Costly Functions Toward Lowest Cardinality.

(Triplet Costing Within LookAhead Module)

